



UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. MBHB 03-389-A)

PATENT

In the Application of:

Rohit Sachdeva et al.

Serial No.: 10/620,231

Filed: July 14, 2003

For: Method and System for Comprehensive  
Evaluation of Orthodontic Treatment  
Using Unified Workstation

Group Art Unit: 3732

Confirmation No. 8511

TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

1. We are transmitting herewith the attached:

1. Information Disclosure Statement
2. Form PTO-1449
3. Cited References (5)
4. Return Postcard

2. With respect to additional fees:

- A. ☒ No additional fee is required.
- B. ☐ Attached is a check in the amount of \$.
- C. ☐ Charge any required fee to our Deposit Account No. 13-2490.

3. Please charge any additional fees or credit overpayment to Deposit Account No. 13-2490. A duplicate copy of this sheet is enclosed.

4. **CERTIFICATE OF MAILING UNDER 37 CFR § 1.8:** The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 9 day of January, 2004.

By

Thomas A. Fairhall  
Reg. No. 34,591



UNITED STATES PATENT AND TRADEMARK OFFICE  
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Evaluation of Orthodontic Treatment	)	
Using Unified Workstation	)	

INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. §§ 1.97-1.98

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.97 - 1.98, the Applicants wish to make the following references of record in the above-identified application. This Information Disclosure Statement is in compliance with the duty of candor as set forth in 37 C.F.R. § 1.56. These references are also listed on the enclosed PTO Form 1449. It is requested that the documents be given careful consideration and that they be cited of record in the prosecution history of the present application so that they will appear on the face of the patent issuing of the present application. Pursuant to the office's waiver of the requirements under 37 C.F.R. § 1.98 (a)(2)(i), copies of the U.S. patents are not being submitted.

In the judgment of the undersigned, portions of the references may be material to the examination of the pending claims. No representation is intended as to the relative importance of any portion of the references. This Statement is not a representation that the cited references have effective dates early enough to be "prior art" within the meaning of 35 USC sections 102 or 103.

## **CITED REFERENCES**

### **U.S. PATENTS**

<b>Patent Number</b>	<b>Date Issued</b>	<b>Inventor</b>	<b>Class/Subclass</b>	
2002/0028417 A1	3/07/02	Chapoulaud et al	433	24
5,338,198	8/16/94	Wu et al.	433	213
5,431,562	7/11/95	Andrieko et al.	433	24
5,879,158	3/09/99	Doyle et al.	433	24
5,975,893	11/02/99	Chishti et al.	433	24
6,015,289	1/18/00	Andrieko et al.	433	3
6,068,482	5/30/00	Snow	433	223
6,099,314	8/08/00	Kopelman et al	433	223
6,217,325	4/17/01	Chishti et al.	433	24
6,227,850	5/08/01	Chishti et al	433	24
6,250,918	6/26/01	Sachdeva et al	433	24
6,315,553	11/3/01	Sachdeva et al	433	24
6,318,995	11/20/01	Sachdeva et al	433	24
6,350,120	2/26/02	Sachdeva et al	433	24
6,464,496	10/15/02	Sachdeva et al	433	24
6,471,512	10/29/02	Sachdeva et al	433	24
6,431,870	8/13/02	Sachdeva	433	213
6,457,972	10/1/02	Chishti	433	24

6,512,994	1/28/03	Sachdeva	702	167
6,540,512	4/1/03	Sachdeva et al.	433	24
6,587,828	7/1/03	Sachdeva	705	1
6,602,070	8/5/03	Miller et al.	433	24
6,612,985	9/2/03	Eiffert et al.	600	300
6,632,089	10/14/03	Rubbert et al.	433	24
6,648,640	11/8/03	Rubbert et al	433	24

#### Foreign Patents:

1. Published PCT Application No. PCT/US01/11969, publication No. WO 01/80761, published November 1, 2001, Inventors: Rubbert et al.

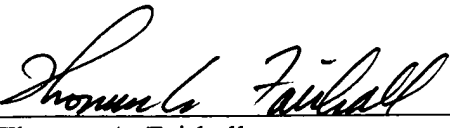
#### Other Documents:

1. Frederic Pighin et al., Realistic Facial Animation Using Image-Based 3d Morphing, Univ. of Washington, Microsoft Research, Technical Report UW-CSE-97-01-03, pp. 1-22, May 9, 1997
2. Voker Blanz, et al., A Morphable Model For the Synthesis of 3D Faces, amax-Planck-Institut für biologische Kybernetik, Tübingen, Germany, 1999
3. S.M. Yamany and A.A. Farag, "A System for Human Jaw Modeling Using Intra-Oral Images" in Proc. IEEE Eng. Med. Biol. Soc. (EMBS) Conf., Vol. 20, Hong Kong, pp. 563-566, Oct. 1998
4. S.M. Yamany, A.A. Farag, David Tasman, A.G. Farman, "A 3-D Reconstruction System for the Human Jaw Using a Sequence of Optical Images," IEEE Transactions on Medical Imaging, Vol. 19, No. 5, pp. 538-547, May 2000

Respectfully Submitted,

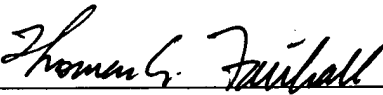
McDonnell Boehnen Hulbert & Berghoff

Date: 1/9/04

By:   
 Thomas A. Fairhall  
 Reg. No. 34,591

### CERTIFICATE OF MAILING

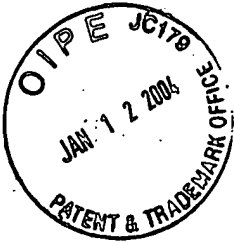
The undersigned hereby certifies that the foregoing **Information Disclosure Statement Pursuant to 37 C.F.R. §§ 1.97-1.98** is being deposited in the United States Postal Service, as first class mail postage prepaid, in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 9<sup>th</sup> day of January, 2004.

  
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Thomas A. Fairhall

FORM PTO-1449  
(Rev. 2-32)

U.S. Department of Commerce  
Patent and Trademark Office

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)



Atty. Docket No.

03-389-A

Serial No.

10/620,231

Applicant:

Rohit Sachdeva et al.

Filing Date:

07/14/03

Group:

TBD

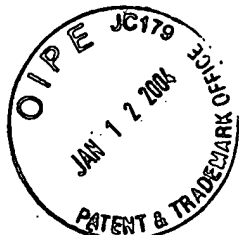
U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	2002/0028417 A1	3/07/02	Chapoulaud et al	433	24	
	5,338,198	8/16/94	Wu et al.	433	213	
	5,431,562	7/11/95	Andrieko et al.	433	24	
	5,879,158	3/09/99	Doyle et al.	433	24	
	5,975,893	11/02/99	Chishti et al.	433	24	
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	6,068,482	5/30/00	Snow	433	223	
	6,099,314	8/08/00	Kopelman et al	433	223	
	6,217,325	4/17/01	Chishti et al.	433	24	
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	6,512,994	1/28/03	Sachdeva	702	167	
	6,540,512	4/1/03	Sachdeva et al.	433	24	
	6,587,828	7/1/03	Sachdeva	705	1	
	6,602,070	8/5/03	Miller et al.	433	24	

FORM PTO-1449  
(R v. 2-32)

U.S. Department of Commerce  
Patent and Trademark Office

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)



Atty. Docket No.

03-389

Serial No.

10/428,461

Applicant:

Rohit Sachdeva et al.

Filing Date:

05/02/03

Group:

TBD

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	6,612,985	9/2/03	Eiffert et al.	600	300	
	6,632,089	10/14/03	Rubbert et al.	433	24	
	6,648,640	11/8/03	Rubbert et al.	433	24	

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No
PCT WO 01 80 7 6 1	11/1/01	PCT			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

	Frederic Pighin et al., <i>Realistic Facial Animation Using Image-Based 3d Morphing</i> , Univ. of Washington, Microsoft Research, Technical Report UW-CSE-97-01-03, pp. 1-22, May 9, 1997
	Voker Blanz, et al., <i>A Morphable Model For the Synthesis of 3D Faces</i> , amax-Planck-Institut für biologische Kybernetik, Tübingen, Germany, 1999
	S.M. Yamany and A.A. Farag, "A System for Human Jaw Modeling Using Intra-Oral Images" in <i>Proc. IEEE Eng. Med. Biol. Soc. (EMBS) Conf.</i> , Vol. 20, Hong Kong, pp. 563-566, Oct. 1998
	S.M. Yamany, A.A. Farag, David Tasman, A.G. Farman, "A 3-D Reconstruction System for the Human Jaw Using a Sequence of Optical Images," <i>IEEE Transactions on Medical Imaging</i> , Vol. 19, No. 5, pp. 538-547, May 2000
EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.